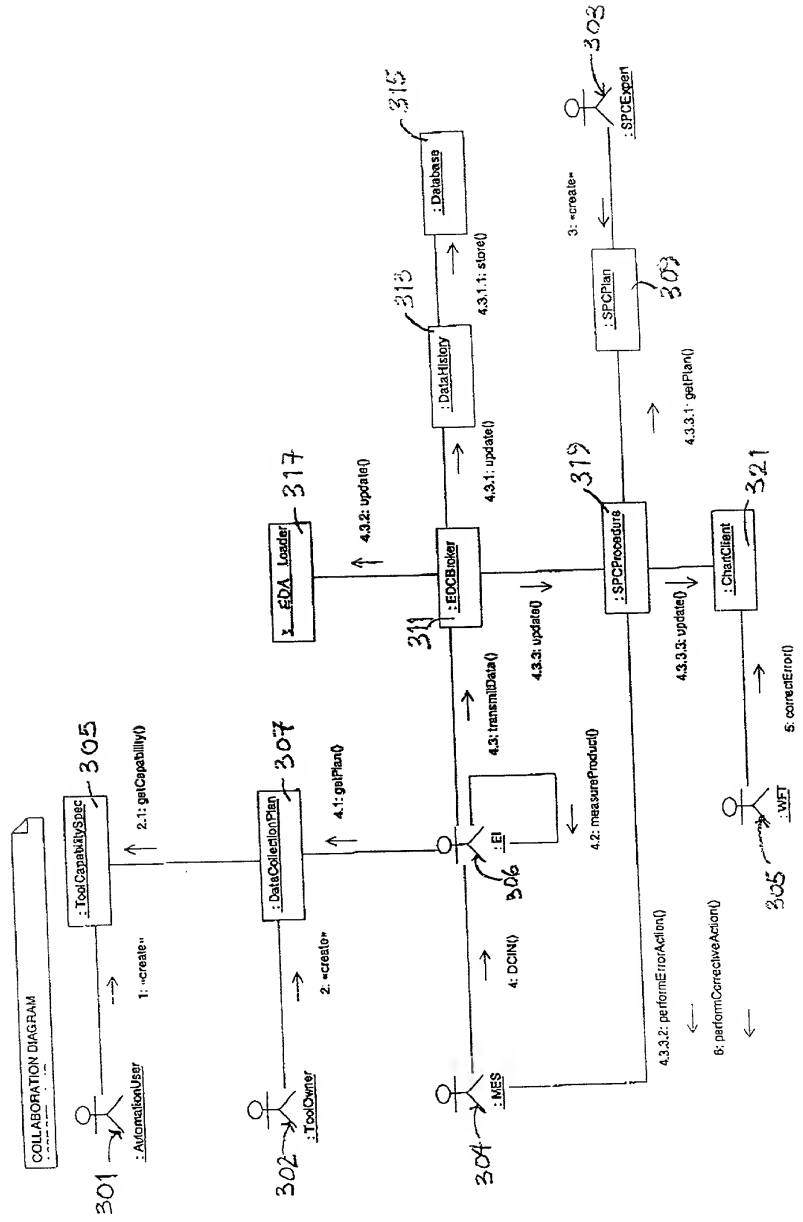


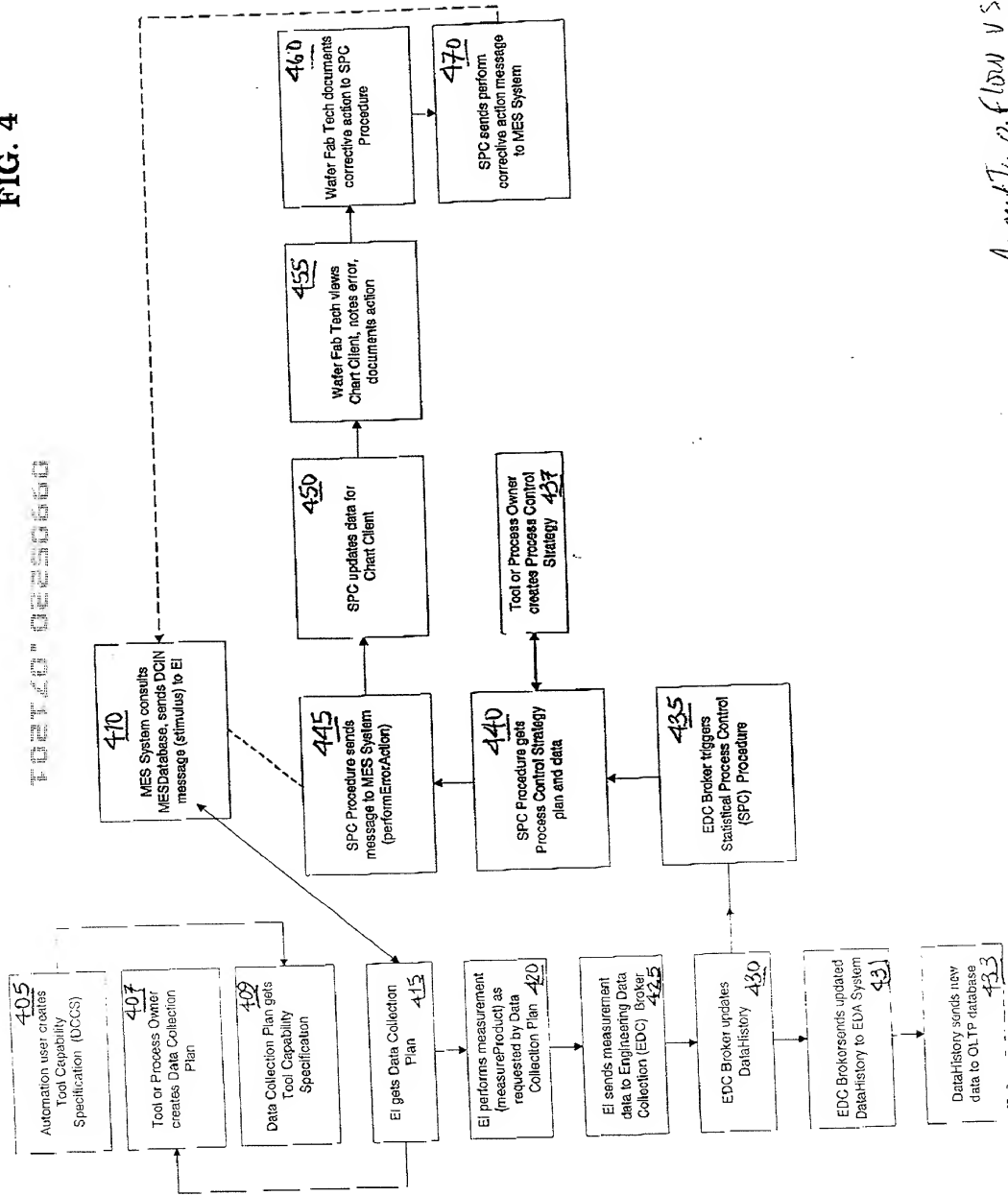
FIG. 3

TOP SECRET



UML Collaboration, da

FIG. 4



Aspect 14 p. flow v s d.

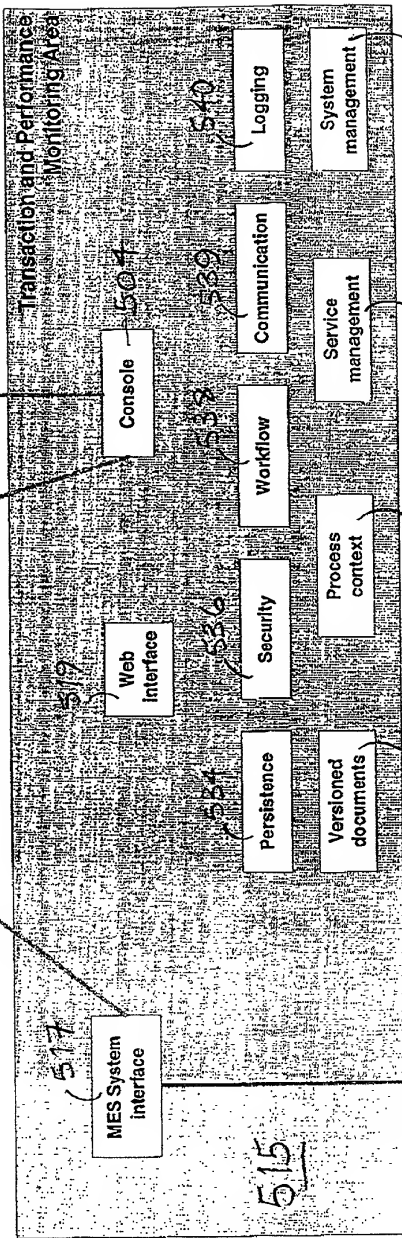
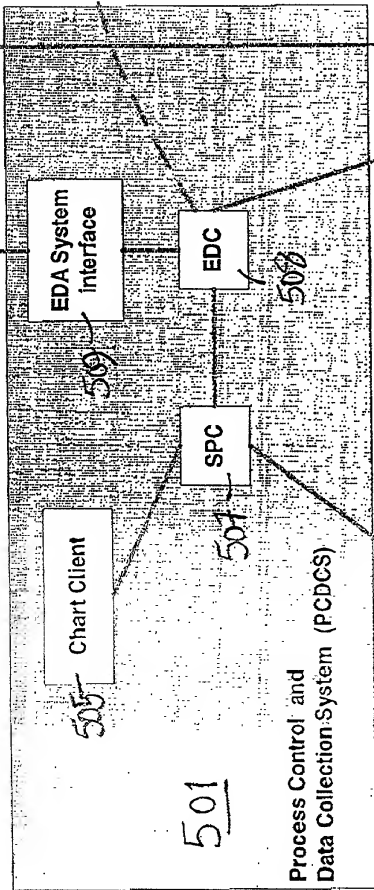
FIG. 5

512

511

EDA System

EI



MES System 513

525

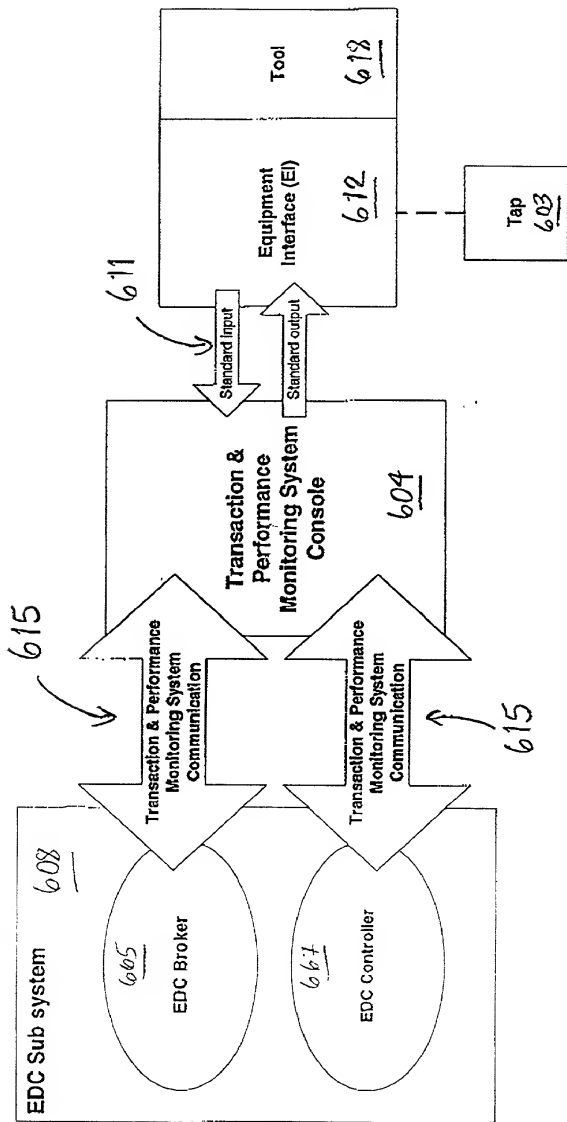
529

530

532

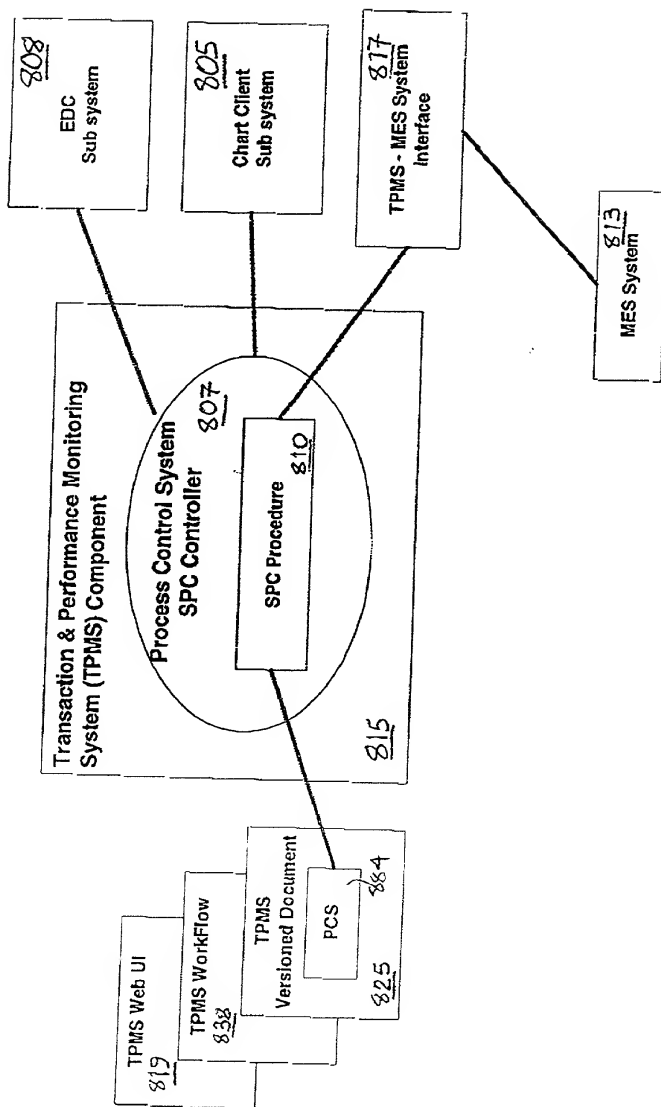
Approved by: [Signature]

FIG. 6

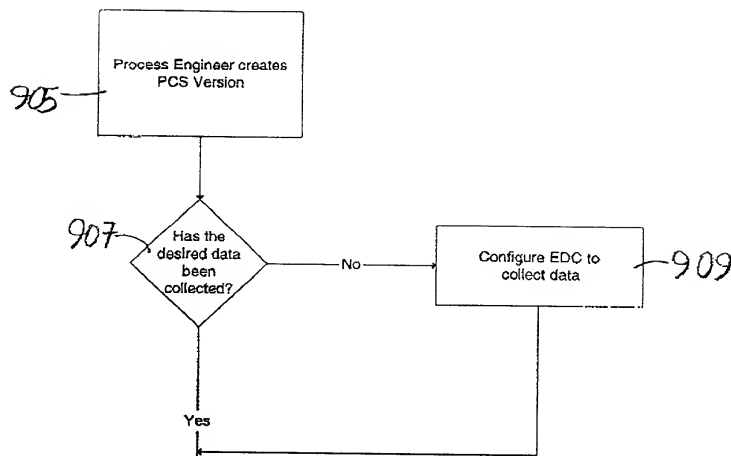


Approved for Release

FIG. 8



Setup Phase



Execution Phase

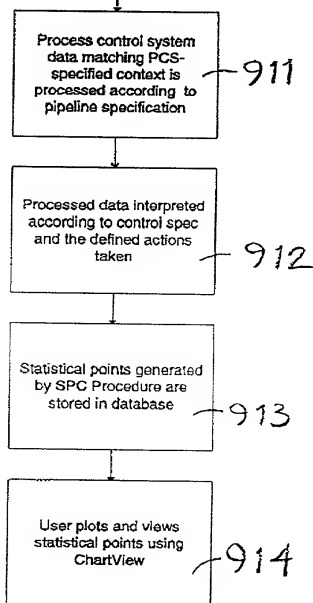


FIG. 9

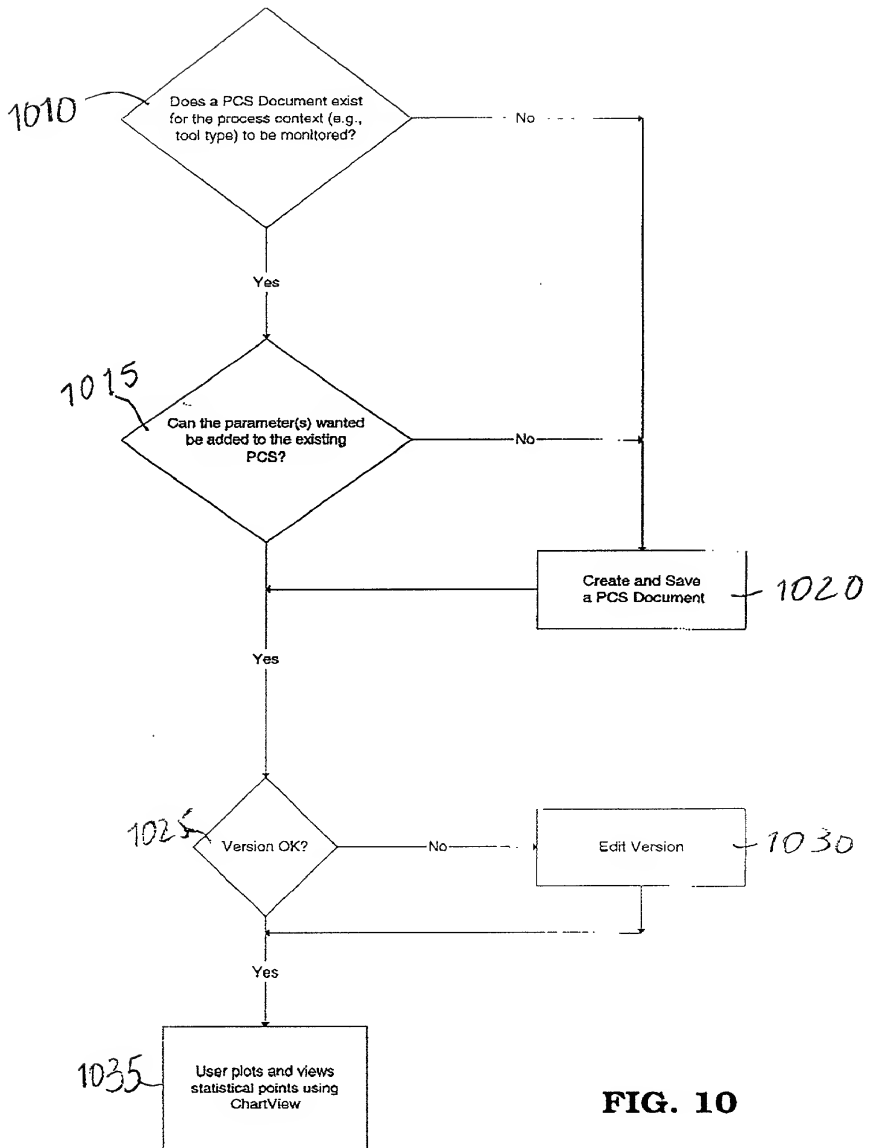
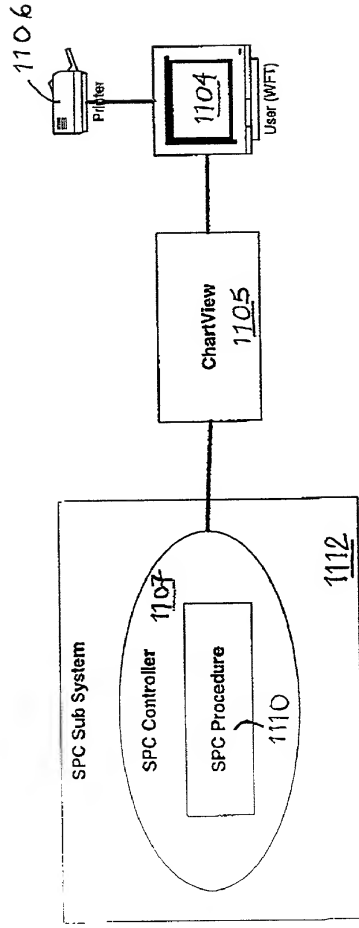


FIG. 11



1200
↓

1210

1215

1205

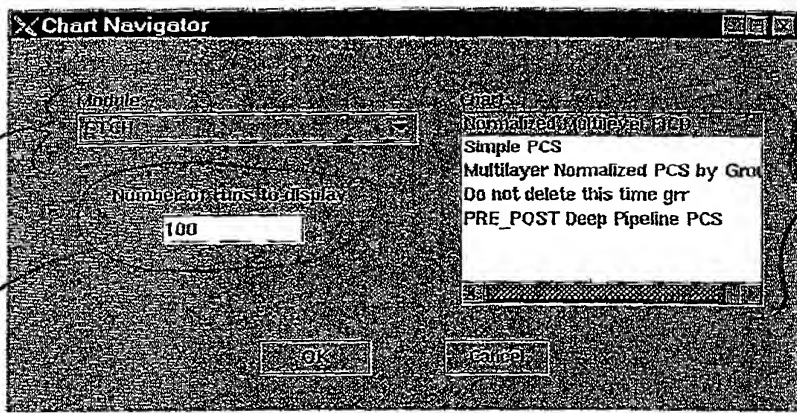


FIG. 12

00000000.071201

1360
↓

1310

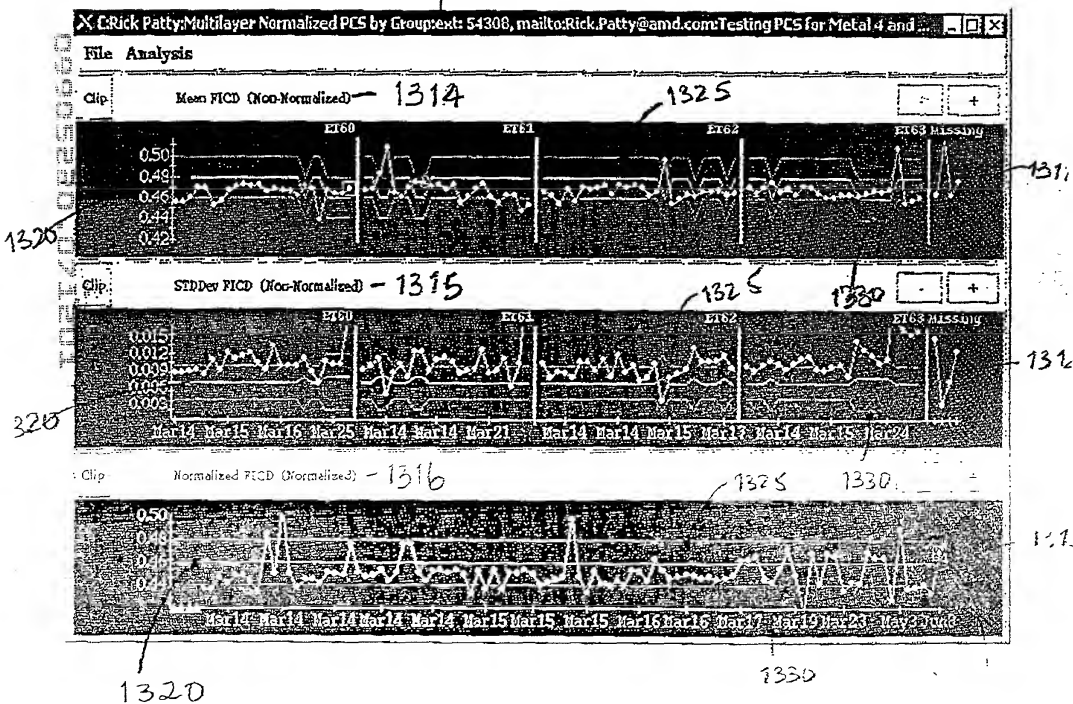


FIG 13

OR

```

graph TD
    1410[Normalize X with its own mean, A, and standard deviation, B] --> 1420[Let Z be another random variable with its own mean, C, and standard deviation, B (target recipe)]
    1420 --> 1430[Apply Transform  $Y = [(X-A)/B] D + C$ ]
    1430 --> 1440[Denormalize X using mean and standard deviation of Z (target recipe)]
    1440 --> 1450[Plot Y and Z together with chart client]
  
```

De norm flow, US

1516 1510 1512 1514

XCHM: /... Normalized in level FIC: ext: ... monitor ... / Cam: cam: / ... 14 & 5 TC: FIC0

0.016
0.013
0.010
0.007
0.004

Mar16 Mar21 Mar14 Mar14 Mar15 Mar15 Mar15 Mar16 Mar17 Mar19 Mar27 Apr26 May6 Payo

0.50
0.43
0.46
0.44

3105480 3105740 3105780 3105820 3105860 3105900 3105940 3105980 3106020 3106060 3106100 3106140 3106180 3106220

FIG. 15

1610

1605

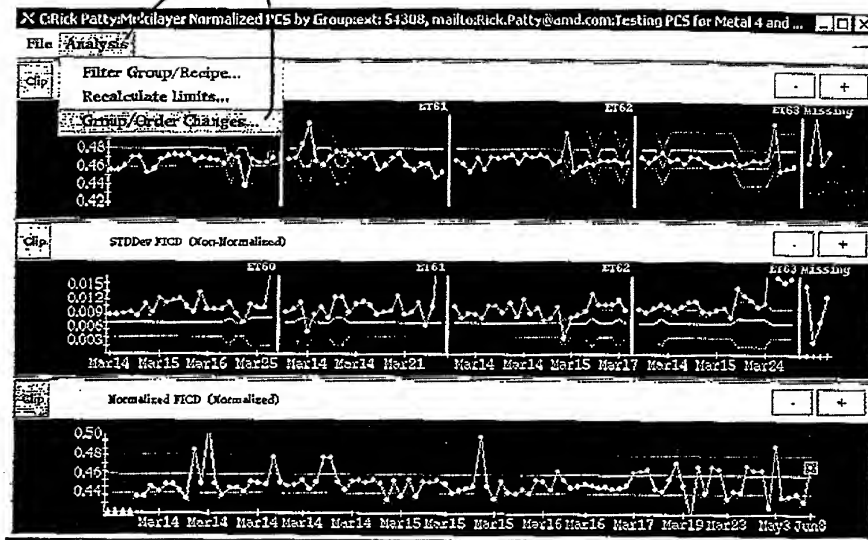


FIG. 16

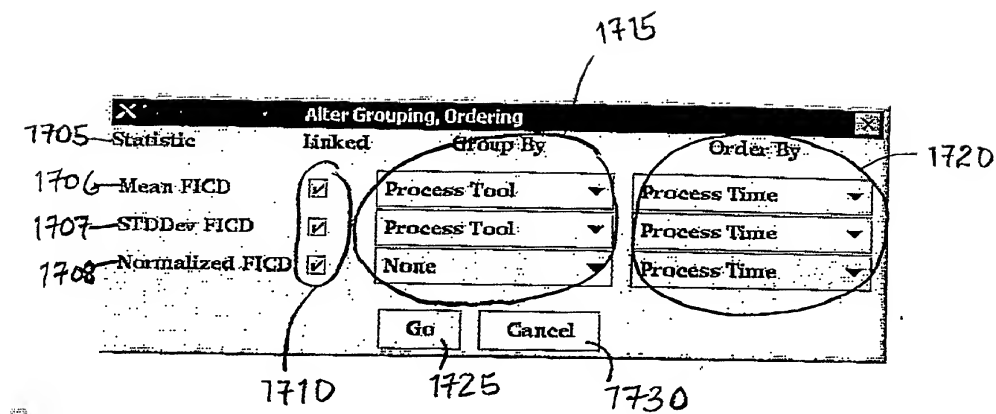



FIG. 17

0005230 071201

1811

1810 **GraphPoint Detail Window**

General Information 

General

Value: 0.524400
 UCL: 0.5
 Target: 0.48
 LCL: 0.46
 PCS Recipe: Metal 5
 RunId: 106537
 OOC Violation: One Out Above(WE Control Rules)

Attribute	Value
Lot	J105M20
Operation	9110
Product	5308AC
Measurement Time	2001-04-25 13:32:04
Opal	CD12
Batch	

Out-Of-Control Actions

Action	Correct	Message
SHUTDOWN TOOL	BRING BACK TOOL	
HOLD LOT	RELEASE LOT	
EMAIL		

Annotation History

Time	Creator	Annotation

1820 1821

1812

1814

1816

1825

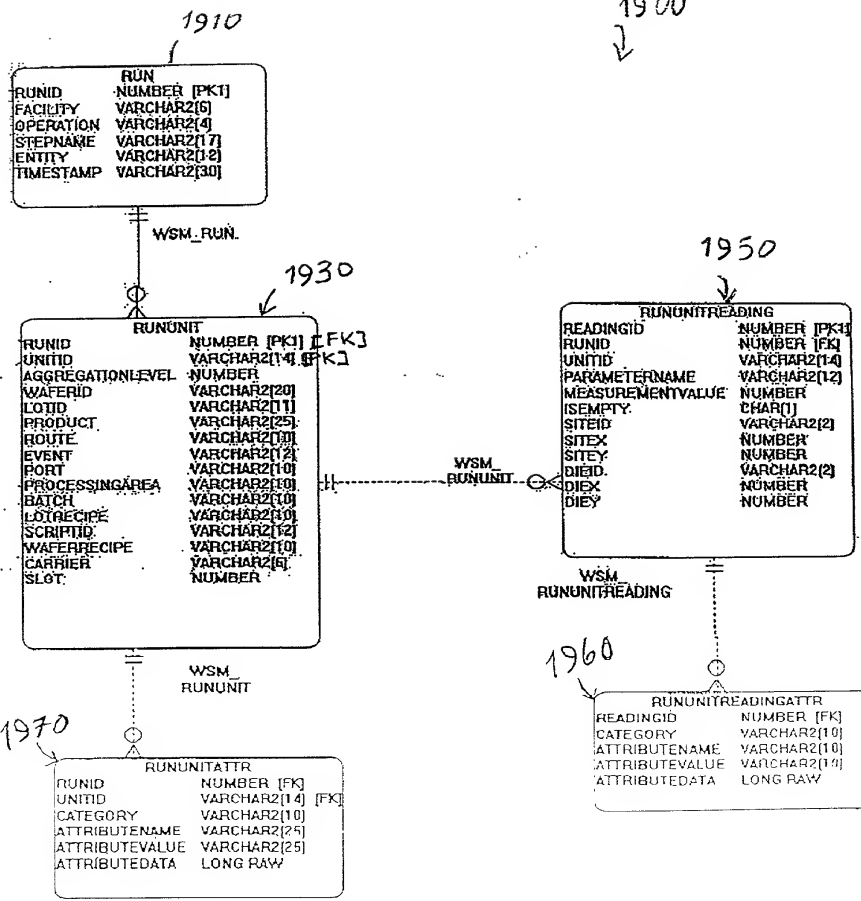
1830

1835

FIG. 18

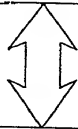
1800 ↗

ASPECT Iteration2 database
schema

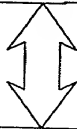


Presentation Layer

2010



Business Logic/Application Middleware Layer 2020



Storage Layer 2030

FIG. 20